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Innovation Voice Mail
PBX Installation and Testing Guide

Nortel Meridian 1 M2616 Integration using Dialogic Media Gateways

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Nortel Meridian 1 M2616 Integration using Dialogic Media Gateways

REQUIREMENTS:

- Software level 17 or higher
- Check load 22 for required software packages (shown in bold type below). If the software packages are not present, the PBX will require a software upgrade.

EES 10 - MSB 17 - DDSP 19 - MWC 46 - DSET 88 - CPND 95 - ARIE 170

- A digital DN programmed as a m2616 for each voicemail port, terminated to a RJ14 jack.
- A TTY port programmed as PMSI (for check-in / check-out messages)
- An analog DN (or dedicated CO line) for the voicemail modem.
- One Dialogic DMG1008DNI gateway for every 8 digital ports

PBX PROGRAMMING:

Call Redirection:
Under LD 15, (Call Redirection), set the CFN1 setting to a value of "2". Below is an example of a CHG command for LD 15:

>LD 15 REQ: **CHG** TYPE: **RDR_DATA** CUST **0** OPT FNAD FNAT FNAL CFTA CCFWDN CFN0 CFN1 **2** ← **Important!** Set CFN1 value to "2" CFN2 DFN0 DFN1 DFN2 DNDH MDID NDID	MWFB TRCL CRTOD CRDAY CRHOL

NOTE: This LD15 CHG command will correspond to the bold **RCO 1** value in the 2616 type DN programming example.

LD 95 Call Party Name Display:
When the Meridian 1 PBX forwards a call, it displays a four letter string on the M2616 display, which indicates why a call was forwarded. Since the PBX's system administrator can modify these strings, check LD 95 and ensure that the strings are set as follows:

- CFWD -- call forwarded because all calls have been forwarded to voice mail
- CFNA -- call forwarded because there was no answer
- HUNT -- call forwarded because the extension was busy

Also, set the following items in LD 95:

MXLN to 27*****
DFLN to 23*****

NOTE: If these settings were different for an established installation, you will need to "out" the guest DN's and rebuild then for the new call party name display settings to take effect. Other wise, guest's with names larger than 23 characters may cause direct call integration to fail.

2616 DN programming:
Create a 2616 type DN for each voicemail port. The programming example shows 8 digital DN's 5000 through 5007. Items in bold type are necessary (critical) values:

FIRST VM PORT (DN 5000)

DES 5000
TN 004 0 00 00
TYPE 2616
CDEN 8D
CUST 0
AOM 0
FDN 5001
TGAR 1
LDN NO
NCOS 0
SGRP 0
RNPG 0
SCI 0
SSU
XLST
CLS **CTD FBD WTA** LPR **MTD FNA HTA** ADD HFD
MWA LMPN RMMD SMWD AAD IMD XHD IRD NID OLD VCE DRG1
POD DSX VMD CMSD SLKD CCSD SWD LND **CNDA**
CFTA SFD MRD DDV CNID CDCA MSID DAPA BFED RCBD
ICDD CDMD LLCN MCTD CLBD AUTU
GPUD DPUD **DNDA** CFXA ARHD CLTD ASCD
CPFA CPTA ABDD CFHD FICD NAID BUZZ AHD
DDGA NAMA
DRDD EXR0
USRD ULAD RTDD RBDD RBHD PGND OCBD FLXD FTTC DNDY DNO3 MCBN
CPND_LANG ENG
RCO 1
EFD 5001
HUNT 5001
EHT 5001
LHK 0
PLEV 02
AST
IAPG 0
AACS NO
ITNA NO
DGRP
MLWU_LANG 0
DNDR 0
KEY 00 SCR 5000 0 MARP
CPND
NAME VM PORT 1
XPLN 9
DISPLAY_FMT FIRST,LAST
01
02
03
04
05
06
07
08
09 AO6
10 CFW 4
11 ADL 16
12
13 MIK
14 MCK
15 TRN

IMPORTANT NOTE: The TRN, MCK & MIK buttons are no longer programmed on keys 03, 04 & 05, as it was with a D/82-U integration. See the last page of this guide if you are swapping out a system that previously had an InnLine system with a D/82-U integration.

SECOND VM PORT (DN 5001)

DES 5001
TN 004 0 00 01
TYPE 2616
CDEN 8D
CUST 0
AOM 0
FDN 5002
TGAR 1
LDN NO
NCOS 0
SGRP 0
RNPG 0
SCI 0
SSU
XLST
CLS **CTD FBD WTA** LPR **MTD FNA HTA** ADD HFD
MWA LMPN RMMD SMWD AAD IMD XHD IRD NID OLD VCE DRG1
POD DSX VMD CMSD SLKD CCSD SWD LND **CNDA**
CFTA SFD MRD DDV CNID CDCA MSID DAPA BFED RCBD
ICDD CDMD LLCN MCTD CLBD AUTU
GPUD DPUD **DNDA** CFXA ARHD CLTD ASCD
CPFA CPTA ABDD CFHD FICD NAID BUZZ AHD
DDGA NAMA
DRDD EXR0
USRD ULAD RTDD RBDD RBHD PGND OCBD FLXD FTTC DNDY DNO3 MCBN
CPND_LANG ENG
RCO 1
EFD 5002
HUNT 5002
EHT 5002
LHK 0
PLEV 02
AST
IAPG 0
AACS NO
ITNA NO
DGRP
MLWU_LANG 0
DNDR 0
KEY 00 SCR 5001 0 MARP
CPND
NAME VM PORT 2
XPLN 9
DISPLAY_FMT FIRST,LAST
01
02
03
04
05
06
07
08
09 AO6
10 CFW 4
11 ADL 16
12
13 MIK
14 MCK
15 TRN

THIRD VM PORT (DN 5002)

DES 5002
TN 004 0 00 02
TYPE 2616
CDEN 8D
CUST 0
AOM 0
FDN 5003
TGAR 1
LDN NO
NCOS 0
SGRP 0
RNPG 0
SCI 0
SSU
XLST
CLS **CTD FBD WTA** LPR **MTD FNA HTA** ADD HFD
MWA LMPN RMMD SMWD AAD IMD XHD IRD NID OLD VCE DRG1
POD DSX VMD CMSD SLKD CCSD SWD LND **CNDA**
CFTA SFD MRD DDV CNID CDCA MSID DAPA BFED RCBD
ICDD CDMD LLCN MCTD CLBD AUTU
GPUD DPUD **DNDA** CFXA ARHD CLTD ASCD
CPFA CPTA ABDD CFHD FICD NAID BUZZ AHD
DDGA NAMA
DRDD EXR0
USRD ULAD RTDD RBDD RBHD PGND OCBD FLXD FTTC DNDY DNO3 MCBN
CPND_LANG ENG
RCO 1
EFD 5003
HUNT 5003
EHT 5003
LHK 0
PLEV 02
AST
IAPG 0
AACS NO
ITNA NO
DGRP
MLWU_LANG 0
DNDR 0
KEY 00 SCR 5002 0 MARP
CPND
NAME VM PORT 3
XPLN 9
DISPLAY_FMT FIRST,LAST
01
02
03
04
05
06
07
08
09 AO6
10 CFW 4
11 ADL 16
12
13 MIK
14 MCK
15 TRN

FOURTH VM PORT (DN 5003)

DES 5003
TN 004 0 00 03
TYPE 2616
CDEN 8D
CUST 0
AOM 0
FDN 5004
TGAR 1
LDN NO
NCOS 0
SGRP 0
RNPG 0
SCI 0
SSU
XLST
CLS **CTD FBD WTA** LPR **MTD FNA HTA** ADD HFD
MWA LMPN RMMD SMWD AAD IMD XHD IRD NID OLD VCE DRG1
POD DSX VMD CMSD SLKD CCSD SWD LND **CNDA**
CFTA SFD MRD DDV CNID CDCA MSID DAPA BFED RCBD
ICDD CDMD LLCN MCTD CLBD AUTU
GPUD DPUD **DNDA** CFXA ARHD CLTD ASCD
CPFA CPTA ABDD CFHD FICD NAID BUZZ AHD
DDGA NAMA
DRDD EXR0
USRD ULAD RTDD RBDD RBHD PGND OCBD FLXD FTTC DNDY DNO3 MCBN
CPND_LANG ENG
RCO 1
EFD 5004
HUNT 5004
EHT 5004
LHK 0
PLEV 02
AST
IAPG 0
AACS NO
ITNA NO
DGRP
MLWU_LANG 0
DNDR 0
KEY 00 SCR 5003 0 MARP
CPND
NAME VM PORT 4
XPLN 9
DISPLAY_FMT FIRST,LAST
01
02
03
04
05
06
07
08
09 AO6
10 CFW 4
11 ADL 16
12
13 MIK
14 MCK
15 TRN

FIFTH VM PORT (DN 5004)

DES 5004
TN 004 0 00 10
TYPE 2616
CDEN 8D
CUST 0
AOM 0
FDN 5005
TGAR 1
LDN NO
NCOS 0
SGRP 0
RNPG 0
SCI 0
SSU
XLST
CLS **CTD FBD WTA** LPR **MTD FNA HTA** ADD HFD
MWA LMPN RMMD SMWD AAD IMD XHD IRD NID OLD VCE DRG1
POD DSX VMD CMSD SLKD CCSD SWD LND **CNDA**
CFTA SFD MRD DDV CNID CDCA MSID DAPA BFED RCBD
ICDD CDMD LLCN MCTD CLBD AUTU
GPUD DPUD **DNDA** CFXA ARHD CLTD ASCD
CPFA CPTA ABDD CFHD FICD NAID BUZZ AHD
DDGA NAMA
DRDD EXR0
USRD ULAD RTDD RBDD RBHD PGND OCBD FLXD FTTC DNDY DNO3 MCBN
CPND_LANG ENG
RCO 1
EFD 5005
HUNT 5005
EHT 5005
LHK 0
PLEV 02
AST
IAPG 0
AACS NO
ITNA NO
DGRP
MLWU_LANG 0
DNDR 0
KEY 00 SCR 5004 0 MARP
CPND
NAME VM PORT 5
XPLN 9
DISPLAY_FMT FIRST,LAST
01
02
03
04
05
06
07
08
09 AO6
10 CFW 4
11 ADL 16
12
13 MIK
14 MCK
15 TRN

SIXTH VM PORT (DN 5005)

DES 5005
TN 004 0 00 11
TYPE 2616
CDEN 8D
CUST 0
AOM 0
FDN 5006
TGAR 1
LDN NO
NCOS 0
SGRP 0
RNPG 0
SCI 0
SSU
XLST
CLS **CTD FBD WTA** LPR **MTD FNA HTA** ADD HFD
MWA LMPN RMMD SMWD AAD IMD XHD IRD NID OLD VCE DRG1
POD DSX VMD CMSD SLKD CCSD SWD LND **CNDA**
CFTA SFD MRD DDV CNID CDCA MSID DAPA BFED RCBD
ICDD CDMD LLCN MCTD CLBD AUTU
GPUD DPUD **DNDA** CFXA ARHD CLTD ASCD
CPFA CPTA ABDD CFHD FICD NAID BUZZ AHD
DDGA NAMA
DRDD EXR0
USRD ULAD RTDD RBDD RBHD PGND OCBD FLXD FTTC DNDY DNO3 MCBN
CPND_LANG ENG
RCO 1
EFD 5006
HUNT 5006
EHT 5006
LHK 0
PLEV 02
AST
IAPG 0
AACS NO
ITNA NO
DGRP
MLWU_LANG 0
DNDR 0
KEY 00 SCR 5005 0 MARP
CPND
NAME VM PORT 6
XPLN 9
DISPLAY_FMT FIRST,LAST
01
02
03
04
05
06
07
08
09 AO6
10 CFW 4
11 ADL 16
12
13 MIK
14 MCK
15 TRN

SEVENTH VM PORT (DN 5006)

```
DES  5006
TN   004 0 00 14
TYPE 2616
CDEN 8D
CUST 0
AOM  0
FDN  5000
TGAR 1
LDN  NO
NCOS 0
SGRP 0
RNPG 0
SCI  0
SSU
XLST
CLS  CTD FBD WTA LPR MTD FNA HTA ADD HFD
     MWA LMPN RMMD SMWD AAD IMD XHD IRD NID OLD VCE DRG1
     POD DSX VMD CMSD SLKD CCSD SWD LND CNDA
     CFTA SFD MRD DDV CNID CDCA MSID DAPA BFED RCBD
     ICDD CDMD LLCN MCTD CLBD AUTU
     GPUD DPUD DNDA CFXA ARHD CLTD ASCD
     CPFA CPTA ABDD CFHD FICD NAID BUZZ AHD
     DDGA NAMA
     DRDD EXR0
     USRD ULAD RTDD RBDD RBHD PGND OCBD FLXD FTTC DNDY DNO3 MCBN
CPND_LANG ENG
RCO  1
EFD  5000
HUNT 5000
EHT  5000
LHK  0
PLEV 02
AST
IAPG 0
AACS NO
ITNA NO
DGRP
MLWU_LANG 0
DNDR 0
KEY  00 SCR 5006 0     MARP
       CPND
         NAME VM PORT 7
         XPLN 9
         DISPLAY_FMT FIRST,LAST
     01
     02
     03
     04
     05
     06
     07
     08
     09 AO6
     10 CFW 4
     11 ADL 16
     12
     13 MIK
     14 MCK
     15 TRN
```

NOTE: The 7th DN (5006) is forwarded and hunting back to the 1st DN (5000). This is because the 8th (last) voicemail port is used for out-dial functions only (such as performing message waiting commands) and should be protected.

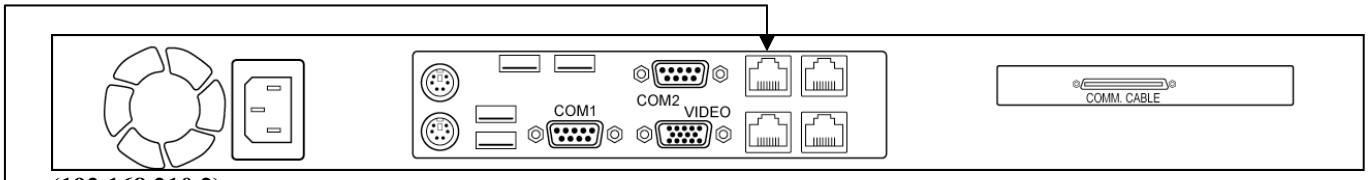
EIGHTH (LAST) VM PORT (DN 5007)

DES 5007
TN 004 0 00 15
TYPE 2616
CDEN 8D
CUST 0
AOM 0
FDN
TGAR 1
LDN NO
NCOS 0
SGRP 0
RNPG 0
SCI 0
SSU
XLST
CLS **CTD FBD WTA** LPR **MTD FNA HTD** ADD HFD
MWA LMPN RMMD SMWD AAD IMD XHD IRD NID OLD VCE DRG1
POD DSX VMD CMSD SLKD CCSD SWD LND **CNDA**
CFTD SFD MRD DDV CNID CDCA MSID DAPA BFED RCBD
ICDD CDMD LLCN MCTD CLBD AUTU
GPUD DPUD **DNDA** CFXA ARHD CLTD ASCD
CPFA CPTA ABDD CFHD FICD NAID BUZZ AHD
DDGA NAMA
DRDD EXR0
USRD ULAD RTDD RBDD RBHD PGND OCBD FLXD FTTC DNDY DNO3 MCBN
CPND_LANG ENG
RCO 1
HUNT
PLEV 02
AST
IAPG 0
AACS NO
ITNA NO
DGRP
MLWU_LANG 0
DNDR 0
KEY 00 SCR 5007 0 MARP
CPND
NAME VM PORT 8
XPLN 9
DISPLAY_FMT FIRST,LAST
01
02
03
04
05
06
07
08
09 AO6
10 CFW 4
11 ADL 16
12
13 MIK
14 MCK
15 TRN

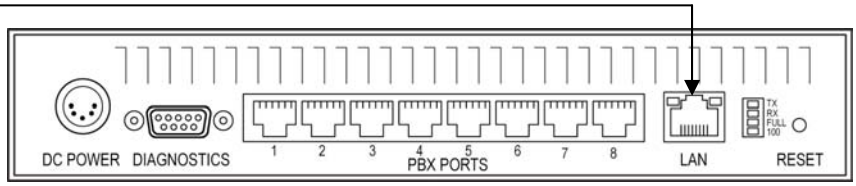
NOTE: The 8th port (DN 5007) does not hunt anywhere.

NETWORK CONNECTIONS:

INSTALLATIONS WITH ONE GATEWAY (8 ports or less)
On the back of the InnLine IP voicemail system, connect a network cable from the top left hand corner network jack, and connect it directly to the LAN network connector on the Dialogic DMG 1008DNI media gateway. The IP addresses for each device are ITW default settings.



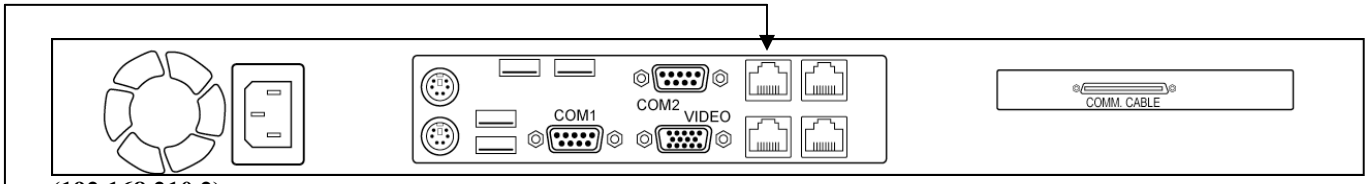
(192.168.210.2)



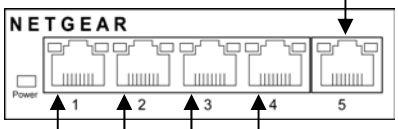
(M2616 stations 1 – 8) / **(192.168.210.10)**

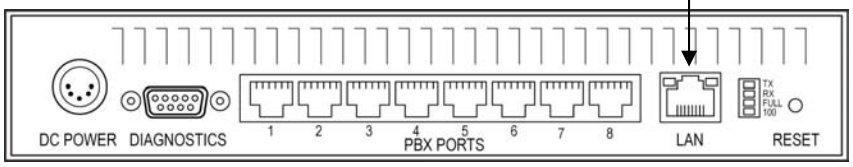
INSTALLATIONS WITH MULTIPLE GATEWAYS (more than 8 ports)

Connect a network cable from the top left hand corner network jack, and connect it to the jack labeled #5 of the NETGEAR switch. Then connect another network cable from the jack labeled #1 on the NETGEAR switch to the LAN network jack on the Dialogic DMG1008DNI media gateway. Repeat the connections from the NETGEAR switch (#2 through #4) for connecting your additional media gateways. The example below shows connectivity for a 32 port system. The IP addresses for each device are ITW default settings.

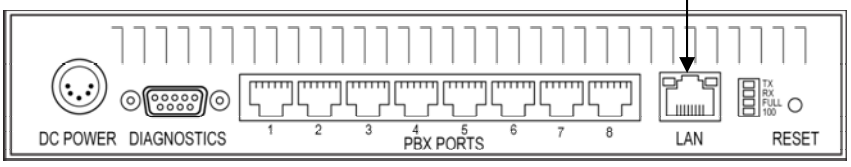


(192.168.210.2)

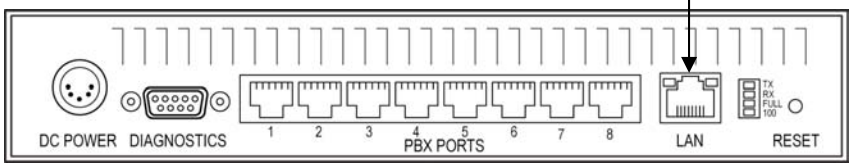




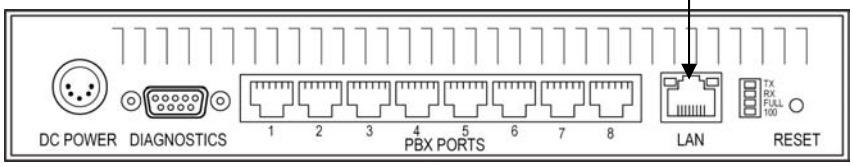
(M2616 stations 25 – 32) / **(192.168.210.10)**



(M2616 stations 17 – 24) / **(192.168.210.11)**



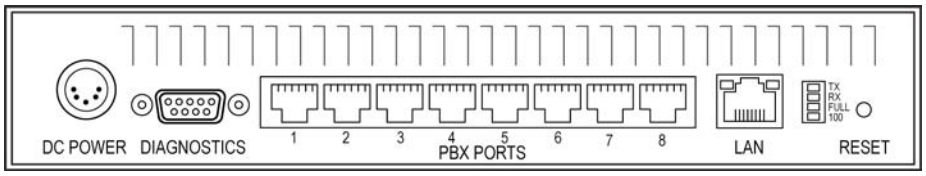
(M2616 stations 9 – 16) / **(192.168.210.12)**



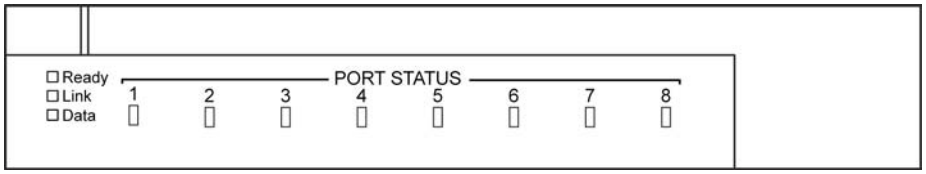
(M2616 stations 1 – 8) / **(192.168.210.13)**

PBX TERMINATIONS:

The Dialogic DMG1008DNI has 8 RJ14 style connectors on the back. Connect the digital stations programmed earlier as M2616 sets to the gateway's RJ14 jacks numbered 1 through 8 using standard line cords. Please note that the Nortel digital set interface on the gateway is polarity sensitive.



As you connect each line cord, the Port Status led indicator for that line will change from red to green. This indicates that Carrier is present.



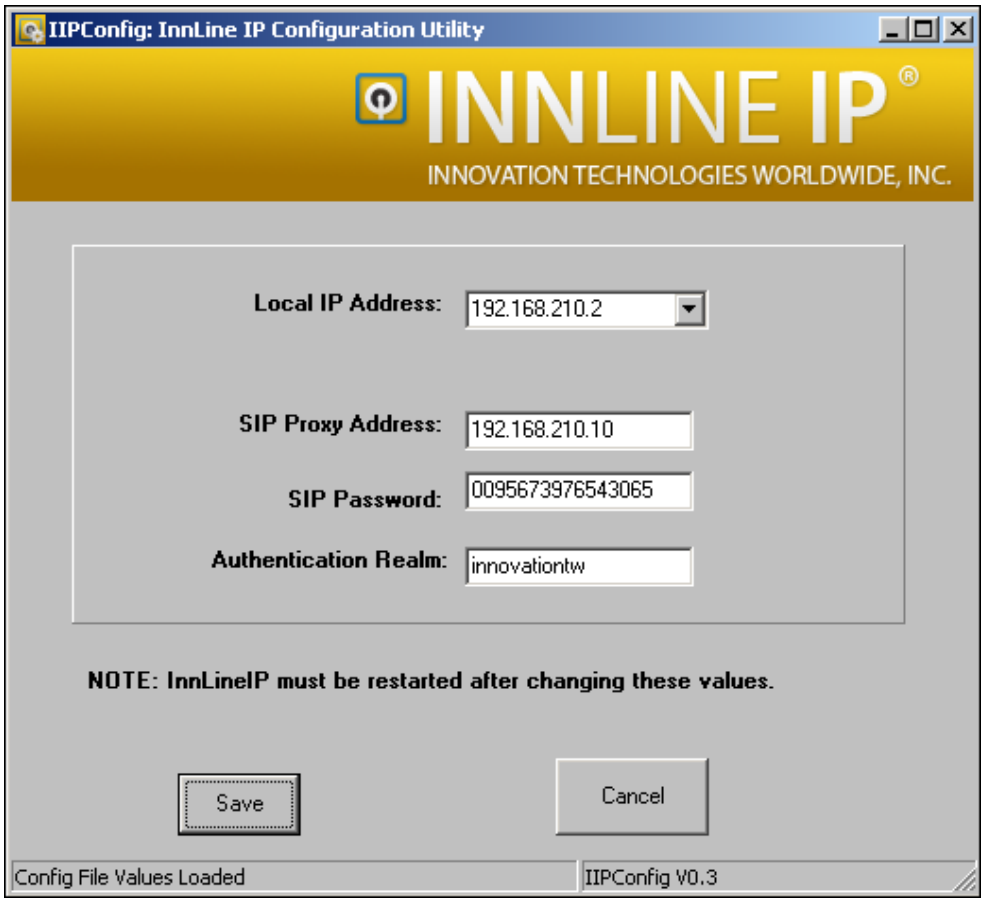
Port Status definitions

- **Steady Green** – indicates that Carrier is present.
- **Flashing Green** – indicates that there is activity on the port.
- **Steady Yellow** – Hardware Carrier is present, but no software communication.
- **Flashing Yellow** – External power detected, but port cannot gain carrier
- **Steady Red** – Indicates that no Carrier is present and no external power detected

VOICEMAIL PROGRAMMING:

InnLine IP Configuration Utility (IIPConfig)

On the desktop, open the file **InnLine IP Config** and review the following information:



Local IP Address: This field displays the static IP Address assigned to the InnLine IP voicemail.

SIP Proxy Address: This is the IP Address of the first Dialogic Media Gateway. The default value is 192.168.210.10.

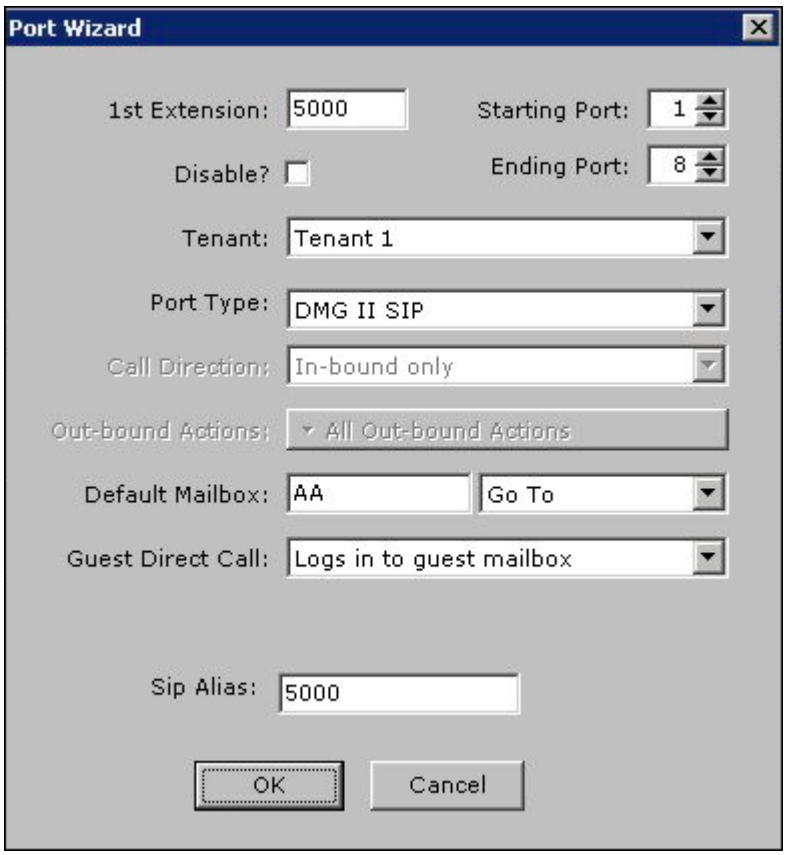
SIP Password: This is the password that is programmed for each M2616 station that is connected to the media gateway(s).

Authentication Realm: This is the realm name that is referenced for each of the M2616 stations that are connected to the media gateway(s)

If you have changed anything, click **Save**, then **Cancel** to exit. In order for these changes to take, you must stop InnLine IP application, and then re-start it (by double-clicking the InnLine IP icon located on the desktop.

Voice Port Configuration

Go to Do > Configure System > Voice Ports and double the Port Wizard (choose Yes to run the port wizard at this time



If your M2616 extensions are concurrent, enter the first number in BOTH the 1st Extension and Sip Alias fields. Click OK. The port wizard will now automatically populate these fields in the other Port Screens

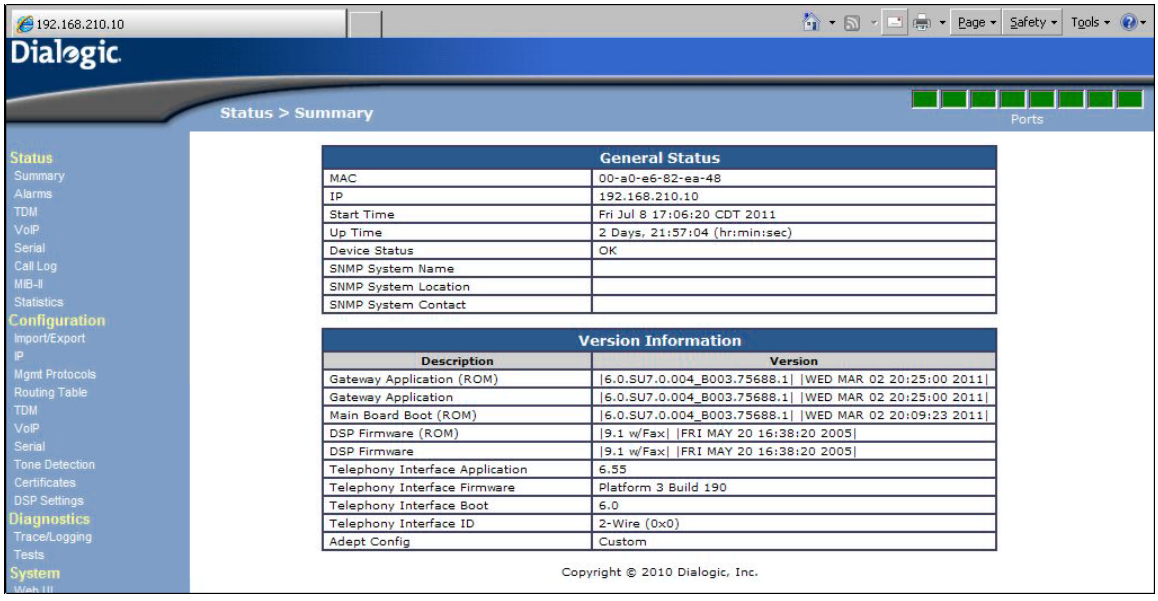
IMPORTANT NOTE: The last port is always set to Out-Bound only. The DN associated with this port needs to be protected from inbound calls. Do not allow calls to hunt over to DN's that will perform outbound functions. If you require additional ports to perform outbound events, then the DN's associated with these ports need to be protected in the same fashion.

DIALOGIC MEDIA GATEWAY PROGRAMMING:

You will need to program all the station numbers into the media gateway that has the IP address of 192.168.210.10. This is ITW's default setup, and it's the address that InnLine IP registers with. Open a web browser, and connect to this IP address as shown below:

Blank Page - Windows Internet Explorer
http://192.168.210.10/
File Edit View Favorites Tools Help
Favorites
Mitel Networks® 3300 Inte...
Connecting...
Connect to 192.168.210.10
The server 192.168.210.10 at GatewayAdmin requires a username and password.
Warning: This server is requesting that your username and password be sent in an insecure manner (basic authentication without a secure connection).
User name:
Password:
Remember my password
OK
Cancel

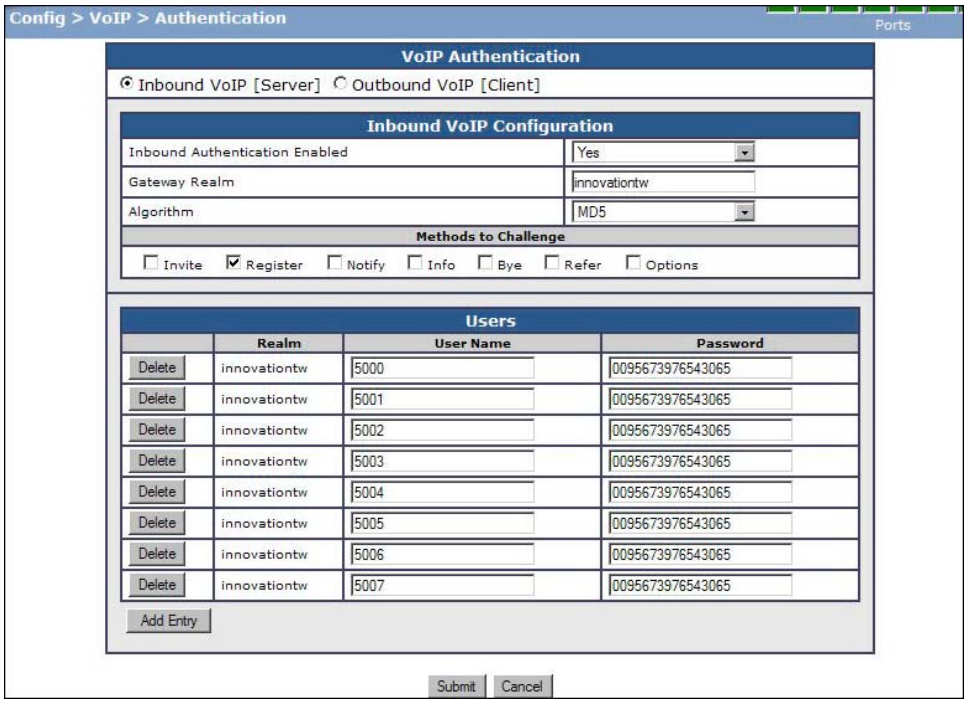
Enter the following user credentials -
User name: admin
Password: innlineip



On the left hand side of the web page, under Configuration, browse to VoIP > Authentication

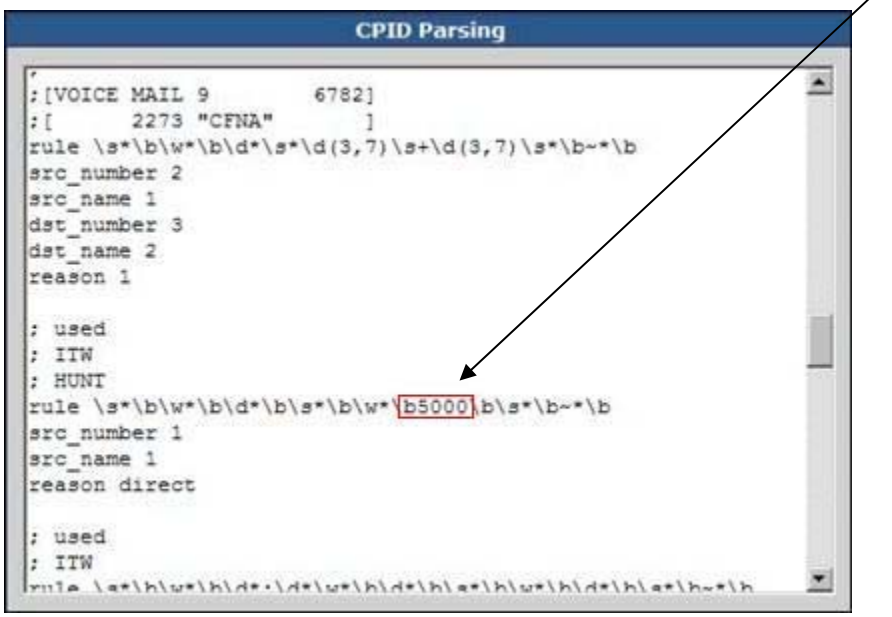
PROGRAM STATION NUMBERS FOR VOIP AUTHENTICATION

Program the voicemail DN's in each of the User Name fields. DO NOT change the Realm or Password information. Click the **Submit** button when done. The screen shot below shows an example of DN's 5000 through 5007:



PROGRAM THE LEAD DN INTO THE CPID PARSING STRING

Go to TDM > CPID Parsing and scroll down until you see the following statement:

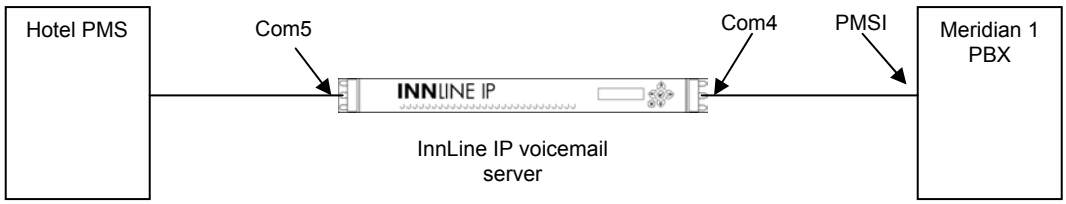


Only edit this area with the lead DN number. Click Submit when done. The example above shows a lead DN of 5000.

DEVICE INTERFACE CONNECTIONS:

Connecting the voicemail system to both the PMS and the Nortel Meridian

In this model, the Hotel's PMS system does not have a direct serial connection to the Meridian 1. Instead, the PMS connects to one of the voicemail systems COM ports. A second COM port on the voicemail system connects to the Meridian 1's PMSI TTY port. All PMS serial messages (such as check-in / check-out / room move) are sent first to the voicemail. The voicemail system then passes the message to the Meridian 1. Likewise, any serial messages generated by the Meridian 1 (such as maid status) are sent to the voicemail. The voicemail system then passes these messages to the Hotel PMS. The brand of PMS does not matter in this model, as long as the PMS system has written an interface based on Nortel's MHVS specification.



Installing the Nortel PMS device interface driver in the voicemail system

From the Do button menu, click **Configure System**, then on **Device Interfaces** of the system tree. Double-click the **New Interface** icon and scroll down till you find the **Nortel PMS (Meridian 1)** interface. Click OK. Choose the **Serial Ports** tab, and adjust the communication parameters of serial ports A and B, to match the PMS and the Nortel Meridian 1's PMSI port, if necessary.

Serial port pin configuration

The serial connections on the multi port COM cable are DB25M DTE.

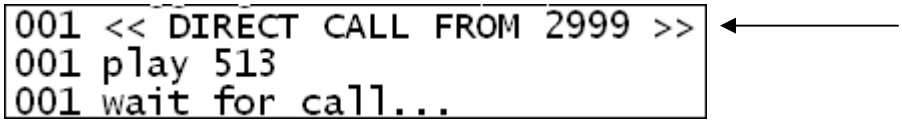
Pin 2 – Transmit Data
Pin 3 – Receive Data
Pin 7 – Signal Ground

No hardware strapping in required.

TESTING:

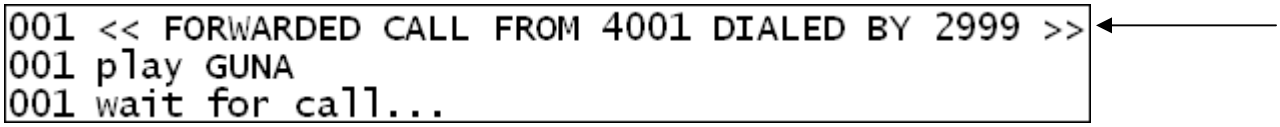
Testing direct call integration (staff or guest extension)

From any station (guest or staff), place a call to the lead (first) M2616 DN that is programmed for voicemail. The activity window will show what station number is calling. (example below shows staff extension 2999 calling the lead DN for voicemail)



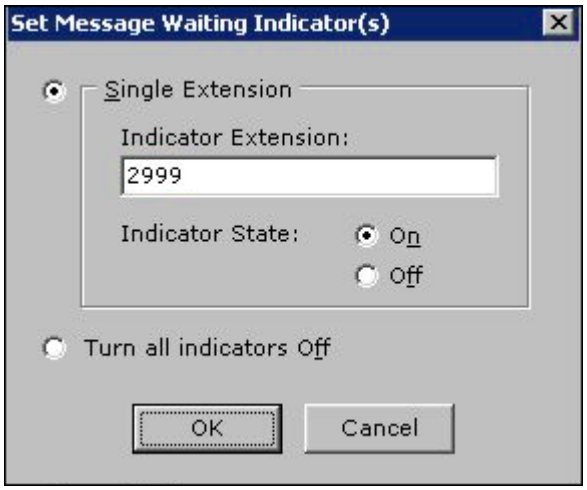
Testing call forward integration

From a staff extension, call the guest extension, allowing it to forward to voicemail. The activity window will show both the calling and called party. (example below shows staff extension 2999 calling guest extension 4001)



Testing message lamps

Test a message lamp by going to **System > Tenants > Tenant 1 > Mailboxes**. Double click the **Set MWI(s)** icon.



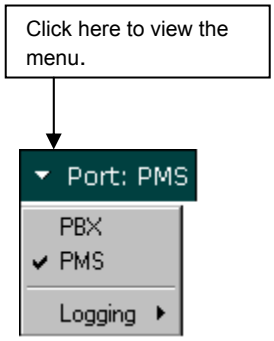
Enter a valid extension number and test turning the message lamp on and off. The following information will be displayed on the "Monitor" portion of the InnLine's main screen (example below is of turning a message lamp on)

```
502 Extension 2999's indicator has been turned On.
    The change will occur as soon as possible.
```

Since the communication between InnLine IP and the gateway is SIP, this is all that is displayed on the InnLine IP monitor all activity screen. The gateway itself performs the button presses (using the MIK key) to turn on the message lamp.

Testing the Hotel PMS / Nortel Meridian 1 PMSI interface

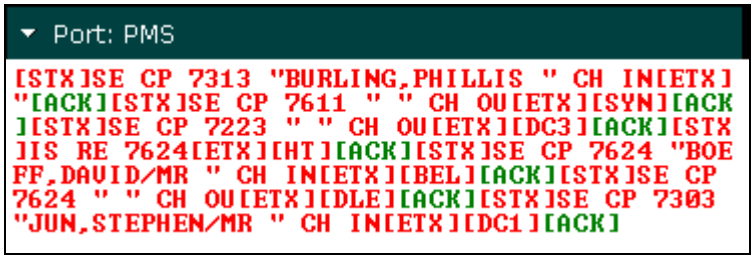
Click the Do button, and choose **Interface: Nortel PMS (Meridian 1)** to monitor the interface. Click on **Port** to pull down a menu box, and choose to monitor the PMS side of the interface, if it is not already chosen.



Have a test check in message sent from the PMS. The message should appear in RED on the interface. The voicemail system will respond with an acknowledgment [ACK], which will appear in GREEN. Toggle over to the PBX side of the interface. The check-in message will appear in GREEN. The Nortel PMSI port will respond with an acknowledgment [ACK], which will appear in RED.

Examples:

PMS side of the interface

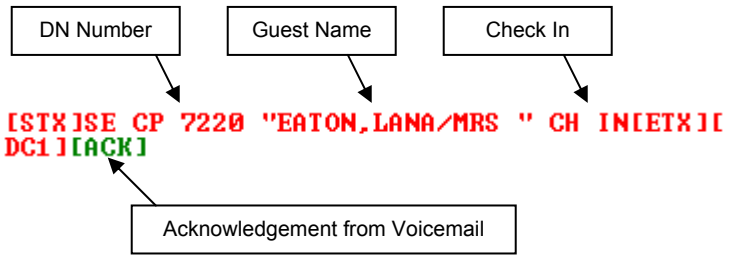

Port: PMS
[STX]SE CP 7313 "BURLING,PHILLIS " CH IN[ETX]
"[ACK][STX]SE CP 7611 " " CH OU[ETX][SYN][ACK
][STX]SE CP 7223 " " CH OU[ETX][DC3][ACK][STX
]IS RE 7624[ETX][HT][ACK][STX]SE CP 7624 "BOE
FF,DAVID/MR " CH IN[ETX][BEL][ACK][STX]SE CP
7624 " " CH OU[ETX][DLE][ACK][STX]SE CP 7303
"JUN,STEPHEN/MR " CH IN[ETX][DC1][ACK]

PBX side of the interface

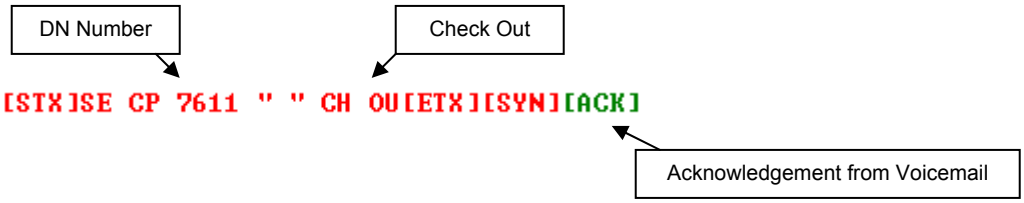
Port: PBX

```
P 7313 "BURLING,PHILLIS " CH IN[ETX]"[ACK][ST
X]SE CP 7611 " " CH OU[ETX][SYN][ACK][STX]SE
CP 7223 " " CH OU[ETX][DC3][ACK][STX]IS RE 76
24[ETX][HT][ACK][STX]SE CP 7624 "BOEFF,DAVID/
MR " CH IN[ETX][BEL][ACK][STX]SE CP 7624 " "
CH OU[ETX][DLE][ACK][STX]SE CP 7303 "JUN,STEP
HEN/MR " CH IN[ETX][DC1][ACK]
```

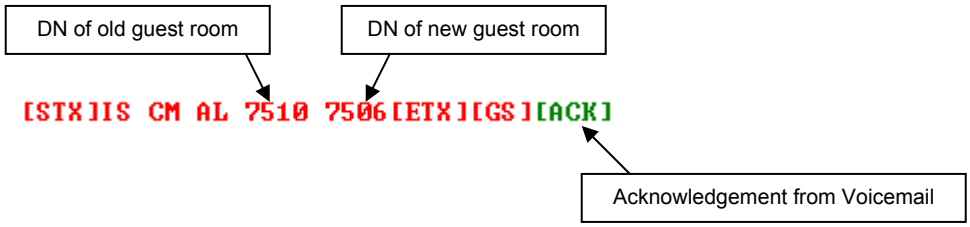
Check-in message example



Check-out message example



Copy Mailbox (room move) message example



Changing out InnLine systems that used a D/82U integration board

If the voicemail system you're replacing was an InnLine system using a D/x2U integration board, then each DN has the TRN, MCK & MIK buttons on keys 03, 04 & 05. This needs to be chamged.

The D/x2U way

KEY 00 SCR 5000 0 MARP
CPND
NAME VM PORT 1
XPLN 9
DISPLAY_FMT FIRST,LAST
01
02
03 TRN
04 MCK
05 MIK
06
07
08
09 AO6
10 CFW 4
11 ADL 16
12
13
14
15

The DMG way

KEY 00 SCR 5000 0 MARP
CPND
NAME VM PORT 1
XPLN 9
DISPLAY_FMT FIRST,LAST
01
02
03
04
05
06
07
08
09 AO6
10 CFW 4
11 ADL 16
12
13 MIK
14 MCK
15 TRN

You will need to go into load 20, and at the REQ prompt, type **chg**. Follow the example below to change the programming of the keys for each DN (you'll need to know which TN they live on before proceeding)

REQ:	**chg**
TYPE:	**2616**
TN	**0 0 4 14** (example TN)
ECHG?	**Yes**
ITEM	key 3 nul
	key 4 nul
	key 5 nul
	key 13 mik
	key 14 mck
	key 15 trn

END OF DOCUMENT